

User Defined File (UDF) Format

for

**Federal Implementation Guideline for
Electronic Data Interchange**

**ASC X12 003050 Transaction Set 836
Procurement Notice**

Implementation Convention

October 1995 Release

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**User Defined File (UDF) Format
for
Federal 836 Implementation Convention**
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This document provides the structure of the User Defined File (UDF) used by the EDI translator to produce the 836 transaction set for the transmittal of award summaries and notifications. The 836 transaction set is compliant with the ANSI Standards Committee (ASC) X12 3050 standard. The 836 transaction set is also compliant with the current Federal Government Convention (Dated - October 1995). This UDF supports every segment and data element specified in the Federal Government Convention. The UDF supports each of the data elements at their maximum size in the Federal Government Convention.

Any optional records for which the application program producing this UDF does not have data will not appear in the UDF. For example, if no paperwork (ie. protest) is being transmitted, there will not be a record with the Record ID of "13" in the UDF. All optional fields, in a record which is present for which the application program does not have data, are filled with spaces. All mandatory fields for an optional record must have a value if the record is generated. Conditional fields for a generated record must be present or absent based on the conditions specified in the Convention.

Alphanumeric fields are identified in the format column by an "X" followed by the length of the field enclosed in parentheses. All alphanumeric fields are left justified with trailing spaces to fill the field.

Numeric fields are identified in the format column by a "9" followed by the length of the field enclosed in parentheses. All numeric fields are right justified with leading zeroes to fill the field. For numeric fields, only negative signs will be transmitted; positive signs will not be transmitted. In the UDF, the sign will be placed in the leftmost position of the field and will contain a "-" for negative numbers and a "0" for positive numbers. To accommodate the sign, the field's length will be one (1) character longer than the element size specified in the Convention.

For numeric fields containing numbers with a fixed number of decimal positions where the decimal point is not transmitted (e.g., a data element with format of "N2"), the decimal point is not present in the UDF. In order to express the implied fixed decimal point position, a "v" followed by a "9" for each decimal position is found in the format column after the parentheses and the length of the field expressed within the parentheses is

decreased by the number of fixed decimal positions. For integers, however, the implied decimal point position need *not* be annotated in the format column using the "v" notation described above because it is understood that there are *no* decimal positions.

For numeric fields containing numbers with a varying number of decimal positions and where decimal positions must be transmitted (e.g., a data element with format of "R15"), the decimal point must be present in the UDF although it is not counted in the length of the field. To accommodate the decimal point, the field's length will be one (1) character longer than the element size specified in the Convention. This is *in addition to* the added character to accommodate the sign. For these types of fields, the field's total length will be two (2) characters longer than the element size specified in the Convention.

All records are described in ascending Record ID number. Any numbers for which there is not a record described are reserved for future use if additional records are needed. The reserved numbers have been selected to minimize the chances that the addition of a new record will require the renumbering of existing records. This minimizes the probability that the existing programs producing the UDF will need to be modified unless the application needs to use the new record.

"00" Record - Envelope Data/Information

This record provides envelope information about an inbound 836 transaction. This record is created by specifying the "0" option on the command line when invoking the translator for an inbound translation. **THIS RECORD WILL ONLY EXIST FOR INBOUND UDFs.**

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 16	X(16)	Trading Partner Code.
02	17 - 18	X(2)	Record ID of "00".
03	19 - 20	X(2)	GS01 Field Document Code.
04	21 - 35	X(15)	GS02 Sender's Application Code.
05	36 - 50	X(15)	GS03 Receiver's Application Code.
06	51 - 56	YYMMDD	GS04 Function Group Date.
07	57 - 62	HHMM	GS05 Function Group Time. The last two positions of this field are blank.
08	63 - 71	X(9)	GS06 Group Control Number.
09	72 - 73	X(2)	GS07 Responsible Agency Code.
10	74 - 85	X(12)	GS08 Version and Release Number.
11	86 - 88	X(3)	ISA = IC Header ID.
12	89 - 89	X(1)	Delimiter (Data Separator).
13	90 - 91	X(2)	ISA01 Authorization Qualifier (BG01/ICS01).
14	92 - 92	X(1)	Delimiter (Data Separator).
15	93 - 102	X(10)	ISA02 Authorization Information (BG02/ICS02).
16	103 - 103	X(1)	Delimiter (Data Separator).

17	104 - 105	X(2)	ISA03 Security Qualifier (BG03/ICS03).
18	106 - 106	X(1)	Delimiter.
19	107 - 116	X(10)	ISA04 Security Information (BG04/ICS04).
20	117 - 117	X(1)	Delimiter.
21	118 - 119	X(2)	ISA05 Interchange Sender Qualifier (BG05/ICS05).
22	120 - 120	X(1)	Delimiter.
23	121 - 135	X(15)	ISA06 Interchange Sender ID (BG06/ICS06).
24	136 - 136	X(1)	Delimiter.
25	137 - 138	X(2)	ISA07 Interchange Receiver Qualifier (BG07/ICS07).
26	139 - 139	X(1)	Delimiter.
27	140 - 154	X(15)	ISA08 Interchange Receiver ID (ICS08).
28	155 - 155	X(1)	Delimiter.
29	156 - 161	YYMMDD	ISA09 Date of Translation (ICS09).
30	162 - 162	X(1)	Delimiter.
31	163 - 166	X(4)	ISA10 Hour of Translation (ICS10).
32	167 - 167	X(1)	Delimiter.
33	168 - 168	X(1)	ISA11 Interchange Standard ID (ICS11).
34	169 - 169	X(1)	Delimiter.
35	170 - 174	X(5)	ISA12 ANSI Version Number (ICS12).
36	175 - 175	X(1)	Delimiter.

37	176 - 184	X(9)	ISA13 Interchange Control Number.
38	185 - 185	X(1)	Delimiter.
39	186 - 186	X(1)	ISA14 Acknowledgement Flag.
40	187 - 187	X(1)	Delimiter.
41	188 - 188	X(1)	ISA15 Test Indicator.
42	189 - 189	X(1)	Delimiter.
43	190 - 190	X(1)	Sub Element Separator.

"01" Record - Trading Partner/Notification Information

This record provides information about the set of records used to create an 836 transaction. This record also contains fields that map to the 1/BCO/008 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "01".
02	03 - 13	X(11)	Trading Partner ID. The DUNS Number, CAGE Code or DODAAC to whom this transaction will be sent.
03	14 - 16	X(3)	Transaction Standard ID. Identifies the type of transaction set/message that will be developed for this set of records. Must contain one of the following literals: "836" - ANSI X12 836 transaction set. "TBD" - UN/EDIFACT message to be identified later.
04	17 - 17	X(1)	Version. Identifies the version of the transaction set/message that will be developed for this set of records. Must contain one of the following literals: "F" - ANSI X12 3050 or UN/EDIFACT 95A. "G" - ANSI X12 3060 or UN/EDIFACT 96A. "H" - ANSI X12 3070 or UN/EDIFACT 97A. "T" - Test transaction.
05	18 - 32	X(15)	Application ID . A unique identifier for the program that created this group of records used to generate the transaction set.
06	33 - 40	CCYYMMDD	Date.

			Date this group of records was added to the UDF.
07	41 - 48	HHMMSSDD	Time. Time that this group of records was added to the UDF. "DD" is for hundredths of a seconds.
08	49 - 50	X(2)	Transaction Set Purpose Code. See BC001 data element.
09	51 - 95	X(45)	Request for Quote Reference Number. See BC002 data element.
10	96 - 101	YYMMDD	Date. See BC003 data element.
11	102 - 131	X(30)	Reference Number. See BC004 data element.
12	132 - 137	YYMMDD	Date. See BC006 data element.
13	138 - 143	YYMMDD	Date. See BC007 data element.
14	144 - 145	X(2)	Reference Number Qualifier. See BC009 data element.
15	146 - 175	X(30)	Reference Number. See BC010 data element.
16	176 - 177	X(2)	Transaction Type Code. See BC011 data element.
17	178 - 179	X(2)	Action Code. See BC012 data element.

"06" Record - Monetary Amount

This record maps to the 1/AMT/018 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "06".
02	03 - 04	X(2)	Amount Qualifier Code. See AMT01 data element.
03	05 - 21	9(17)	Monetary Amount. See AMT02 data element.

"08" Record - Quantity

This record maps to the 1/QTY/020 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "08".
02	03 - 04	X(2)	Quantity Qualifier. See QTY01 data element.
03	05 - 21	9(17)	Quantity. See QTY02 data element.

"09" Record - Date/Time Reference

This record maps to the 1/DTM/021 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "09".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 11	YYMMDD	Date. See DTM02 data element.
04	12 - 15	HHMM	Time. See DTM03 data element.
05	16 - 17	X(2)	Time Code. See DTM04 data element.

"13" Record - Paperwork

This record maps to the 1/PWK/023 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "13".
02	03 - 04	X(2)	Report Type Code. See PWK01 data element.
03	05 - 06	X(2)	Report Transmission Code. See PWK02 data element.

"23" Record - Message Text

This record maps to the 1/MSG/024 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "23".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

Organization/Location Loop

The following set of records identify the Organizations and Locations applicable to the award notification action.

"25" Record - Organization/Location Identification

This record maps to the 1/N1/025 segment and two instances of the 1/N2/026 and 1/N3/027 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "25".
02	03 - 04	X(2)	Entity Identifier Code. See N101 data element.
03	05 - 39	X(35)	Name. See N102 data element.
04	40 - 41	X(2)	Identification Code Qualifier. See N103 data element.
05	42 - 61	X(20)	Identification Code. See N104 data element.
06	62 - 96	X(35)	Additional Name 1. See N201 data element.
07	97 - 131	X(35)	Additional Name 2. See N202 data element.
08	132 - 166	X(35)	Additional Name 3. See N201 data element.
09	167 - 201	X(35)	Additional Name 4. See N202 data element.
10	202 - 236	X(35)	Address Information 1. See N301 data element.
11	237 - 271	X(35)	Address Information 2. See N302 data element.
12	272 - 306	X(35)	Address Information 3. See N301 data element.

13

307 - 341

X(35)

Address Information 4.
See N302 data element.

"26" Record - Geographic Location

This record maps to the 1/N4/028.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "26".
02	03 - 32	X(30)	City Name. See N401 data element.
03	33 - 34	X(2)	State or Province code. See N402 data element.
04	35 - 45	X(11)	Postal Code. See N403 data element.
05	46 - 48	X(3)	Country Code. See N404 data element.

Solicitation Method/Rejection Loop

The following two records provide data to identify the reason a proposal is unacceptable or to identify the solicitation method that resulted in an award.

"32" Record - Code Source Information

This record maps to the 1/LM/033 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "32".
02	03 - 04	X(2)	Agency Qualifier Code. See LM01 data element.

"33" Record - Industry Code

This record maps to the 1/LQ/034 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "33".
02	03 - 05	X(3)	Code List Qualifier Code. See LQ01 data element.
03	06 - 25	X(20)	Industry Code. See LQ02 data element.

Line Item Loop

The following nine records provide data that is applicable to a specific line item.

"46" Record - Line Item Baseline Item Data

This record maps to the 1/PO1/035 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "46".
02	03 - 13	X(11)	Assigned Identification. See PO101 data element.
03	14 - 24	9(11)	Quantity Ordered. See PO102 data element.
04	25 - 26	X(2)	Unit or Basis for Measurement Code. See PO103 data element.
05	27 - 45	9(19)	Unit Price. See PO104 data element.
06	46 - 47	X(2)	Basis of Unit Price Code. See PO105 data element.
07	48 - 49	X(2)	Product/Service ID Qualifier. See PO106 data element.
08	50 - 89	X(40)	Product/Service ID. See PO107 data element.
09	90 - 91	X(2)	Product/Service ID Qualifier. See PO108 data element.
10	92 - 131	X(40)	Product/Service ID. See PO109 data element.
11	132 - 133	X(2)	Product/Service ID Qualifier. See PO110 data element.
12	134 - 173	X(40)	Product/Service ID. See PO111 data element.

13	174 - 175	X(2)	Product/Service ID Qualifier. See P0112 data element.
14	176 - 215	X(40)	Product/Service ID. See P0113 data element.
15	216 - 217	X(2)	Product/Service ID Qualifier. See P0114 data element.
16	218 - 257	X(40)	Product/Service ID. See P0115 data element.
17	258 - 259	X(2)	Product/Service ID Qualifier. See P0116 data element.
18	260 - 299	X(40)	Product/Service ID. See P0117 data element.
19	300 - 301	X(2)	Product/Service ID Qualifier. See P0118 data element.
20	302 - 341	X(40)	Product/Service ID. See P0119 data element.
21	342 - 343	X(2)	Product/Service ID Qualifier. See P0120 data element.
22	344 - 383	X(40)	Product/Service ID. See P0121 data element.
23	384 - 385	X(2)	Product/Service ID Qualifier. See P0122 data element.
24	386 - 425	X(40)	Product/Service ID. See P0123 data element.
25	426 - 427	X(2)	Product/Service ID Qualifier. See P0124 data element.
26	428 - 467	X(40)	Product/Service ID. See P0125 data element.

"48" Record - Line Item Pricing Information

This record maps to the 1/CTP/050 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "48".
02	03 - 05	X(3)	Price Identifier Code. See CTP02 data element.
03	06 - 24	9(19)	Unit Price. See CTP03 data element.
04	25 - 41	9(17)	Quantity. See CTP04 data element.
05	42 - 43	X(2)	Unit or Basis for Measurement Code. See CTP05 data element.
06	44 - 53	X(10)	Condition Value. See CTP10 data element.

"54" Record - Line Item Reference Number

This record maps to the 1/REF/090 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "54".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.

"62" Record - Line Item Date/Time Reference

This record maps to the 1/DTM/102 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "62".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 11	YYMMDD	Date. See DTM02 data element.

"74" Record - Line Item Quantity

This record maps to the 1/QTY/104.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "74".
02	03 - 04	X(2)	Quantity Qualifier. See QTY01 data element .
03	05 - 21	9(17)	Quantity. See QTY02 data element .

"75" Record - Line Item Monetary Amount

This record maps to the 1/AMT/105 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "75".
02	03 - 04	X(2)	Amount Qualifier Code. See AMT01 data element.
03	05 - 21	9(17)	Monetary Amount. See AMT02 data element.
04	22 - 22	X(1)	Credit/Debit Flag Code. See AMT03 data element.

Line Item Organization/Location Loop

The following set of records identify the Organizations and Locations applicable to a specific line item.

"81" Record - Line Item Organization/Location Identification

This record maps to the 1/N1/130 segment, two instances of the 1/N2/140 and 1/N3/150 segments, and one instance of the 1/N4/160 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "81".
02	03 - 04	X(2)	Entity Identifier Code. See N101 data element.
03	05 - 39	X(35)	Name. See N102 data element.
04	40 - 41	X(2)	Identification Code Qualifier. See N103 data element.
05	42 - 61	X(20)	Identification Code. See N104 data element.
06	62 - 96	X(35)	Additional Name 1. See N201 data element.
07	97 - 131	X(35)	Additional Name 2. See N202 data element.
08	132 - 166	X(35)	Additional Name 3. See N201 data element.
09	167 - 201	X(35)	Additional Name 4. See N202 data element.
10	202 - 236	X(35)	Address Information 1. See N301 data element.
11	237 - 271	X(35)	Address Information 2. See N302 data element.
12	272 - 306	X(35)	Address Information 3. See N301 data element.

13	307 - 341	X(35)	Address Information 4. See N302 data element.
14	342 - 371	X(30)	City Name. See N401 data element.
15	372 - 373	X(2)	State or Province code. See N402 data element.
16	374 - 384	X(11)	Postal Code. See N403 data element.
17	385 - 387	X(3)	Country Co de. See N404 data element.

Line Item Solicitation Method/Rejection Loop

The following two records provide data to identify the reason a line item proposal is unacceptable, is rejected, is no longer considered for award, or to identify the solicitation method that resulted in an award.

"96" Record - Line Item Code Source Information

This record maps to the 1/LM/185 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "96".
02	03 - 04	X(2)	Agency Qualifier Code. See LM01 data element.

"97" Record - Line Item Industry Code

This record maps to the 1/LQ/186 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "97".
02	03 - 05	X(3)	Code List Qualifier Code. See LQ01 data element.
03	06 - 25	X(20)	Industry Code. See LQ02 data element.

"99" Record - Transaction Set Trailer

This record maps to the 1/SE/190 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "99".
02	03 - 11	X(9)	Transaction Set Control Number. See SE02 data element. THIS FIELD WILL ONLY EXIST FOR INBOUND UDFs.